Radford University

Office of Distance Education

Telecommunications in Virginia

Dr. Dennie Templeton

Telecommunications Models in Virginia: What Do We Use ?

- ATM (videoconferencing) (Network VA)
- ISDN (Videoconferencing)
- IP Teleconferencing
- Satellite
- Macromedia Breeze

End Users: Potential Applications

- Education
- Government Agencies
- Business
- Growing Virginia Partnership
- Technology Convergence
- ATM to IP Conversion

Why Change from ATM to IP

- State Model
- Growing IP Demand
- Flexibility
- Parallel Conversion for State Systems

ATM or IP Teleconferencing

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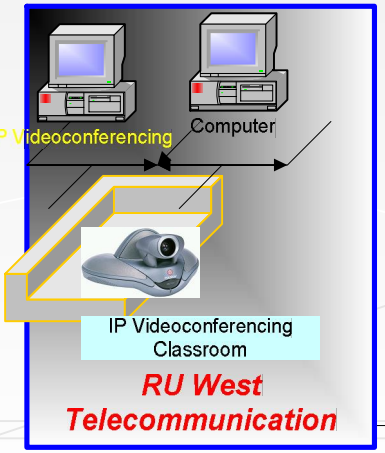
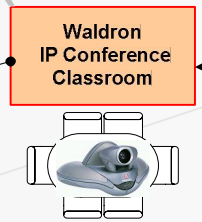
Telecommunications Network



Satellite Downlink



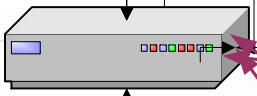
National and International Portals

ATM Young 205

ATM Young 201

ATM Waldron 226

Deployed Portable Units
- Stanton, VA
- South Boston
- Norfolk State


RU Polycom ATM/IP Bridge

Network Virginia

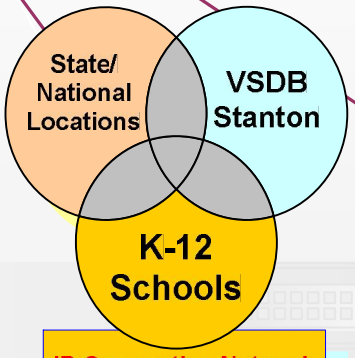
Bridge

Abingdon SW Higher Education Center

Roanoke Higher Education Center 408 and 613

VWCC Thomas Center

RHEC Portable Units



IP Connective Network

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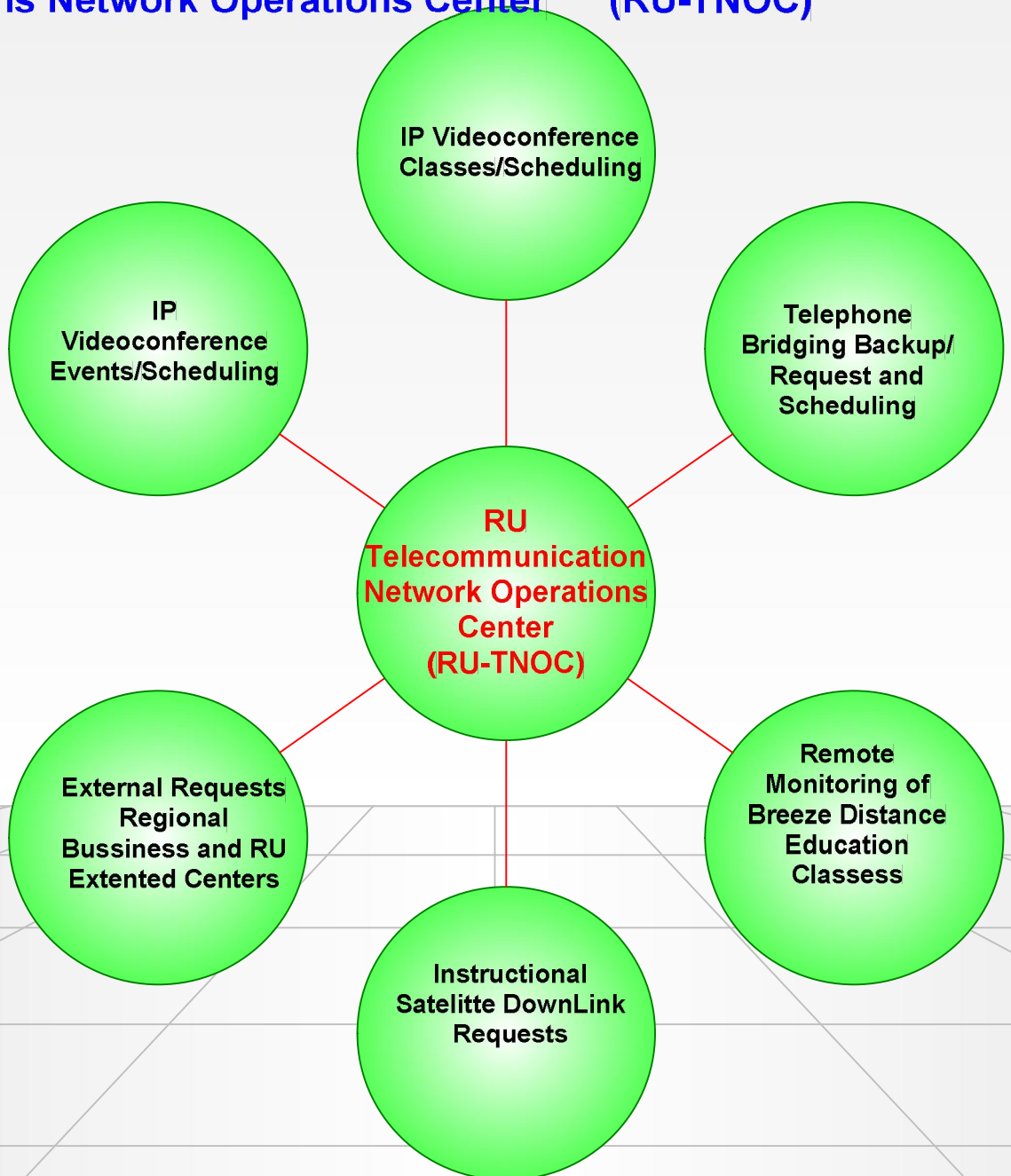
Telecommunications Network Operations Center (RU-TNOC)



Academic Classrooms

Radford University Telecommunication Model
Disability Resource Office

Wireless Laptop

Telecommunication audio and video transmitted To SLA

Telecommunacation from SLA to the student

SLA SIGN LANGUAGE ASSOCIATES, INC.

Polycom PVX Software

Observation Classrooms

Virginia School for the Deaf and Blind

RU

Waldron College

UVA

Hospital

POLYCOM
Enter address and click Call to dial:
Call
Hang Up
Directory
Speed Dial
Show Desktop
POLYCOM
PVX
My IP: 192.168.0.2 LAN
Volume
Mute
PIP
Full Screen
Video Only
VideoMail
Controls

State Teleconferencing Pod Model

UVA

State Agency

Regional Telemed Locations

Hospitals & Physicians

Grant Funding and Infrastructure

- Many existing Virginia Telecommunications Resources
- Need for rural Telemedicine
- UVA leadership
- ECVA white paper
- Unifying existing resources
- Develop multilayer state partnerships using education, business, and medical partners

Gilligans Island Principle